Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/15/2017 10:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124598	-1	1.94	124463	1.95
Blue	F	SSC	125000	123427	-2	3.76	123745	3.64
Blue	E	FITC	23355	22721	-3	2.61	1017	10.09
Blue	D	PE	28848	28263	-3	2.19	1027	9.60
Blue	B	PerCP-Cy5-5	47791	47113	-2	3.59	1355	16.46
Blue	A	PE-Cy7	41358	40815	-2	5.20	633	33.95
Red	C	APC	51316	51226	-1	2.73	2952	9.08
Red	A	APC-Cy7	53225	52424	-2	2.79	1085	10.68
Violet	B	V450	14473	13810	-5	3.71	666	9.33
Violet	A	V500	59973	58383	-3	3.37	2605	6.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18791	3.62	602	4	N/A	N/A	Pass
Blue	F	SSC	61409	1.96	534	0	N/A	N/A	Pass
Blue	E	FITC	114	41.37	538	-6	0.0225	378	Pass
Blue	D	PE	231	28.12	533	-5	0.1707	268	Pass
Blue	B	PerCP-Cy5-5	214	45.12	623	-7	0.0110	176	Pass
Blue	A	PE-Cy7	71	115.31	674	-7	0.0132	24	Pass
Red	C	APC	348	26.28	586	-8	0.0223	68	Pass
Red	A	APC-Cy7	119	39.25	565	-11	0.0064	1913	Pass
Violet	B	V450	81	43.43	472	1	0.0389	1721	Pass
Violet	A	V500	189	24.50	504	3	0.0127	564	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.79	-31.17	0.82
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	19.43	13.27 - 19.91	N/A	N/A	31.08	31.77	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9553

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments